

Converting Colors

$Y_{xy}(24.5211, 0.2586, 0.3038)$

Have a look what the booklet for
Yxy(24.5211, 0.2586, 0.3038)
contains.

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Color

$\text{Yxy}(24.3770, 0.2578, 0.3021)$

Conversions

Conversions Part 1

Format	Color
Hex	628E9D
RGB	98, 142, 157
RGB Percent	38%, 56%, 62%
CMY	0.6154, 0.4432, 0.3843
CMYK	0.38, 0.10, 0.00, 0.38
HSL	195°, 23%, 50%
HSV	195°, 38%, 62%
XYZ	20.8024, 24.3770, 35.5125
YIQ	130.5540, -31.0390, -4.6630

Conversions

Conversions Part 2

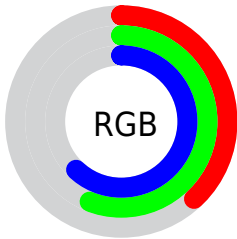
Format	Color
R_{YB}	98, 123, 157
Decimal	6459037
CIE _{Lab}	56.46, -11.02, -12.73
CIE _{LCh}	56, 16.840, 229.119
Yxy	24.3770, 0.2578, 0.3021
Android (android.graphics.Color)	4284649117 (0xFF628E9D)
YUV	130.5540, 13.0379, -28.5499
Hunter-Lab	49.3731, -11.1955, -8.0843

Details

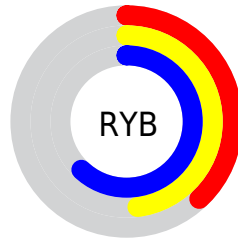
The Yxy color **24.3770, 0.2578, 0.3021** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **19.8850, 0.3922, 0.3540**, and the grayscale version is **22.4967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8126, 0.2691, 0.3080**, and **9.2992, 0.2380, 0.2912** is the 20% darker color. If you saturate the color by 10%, you get **22.4181, 0.2447, 0.2936**, and if you desaturate by 10%, it is **26.5520, 0.2718, 0.3101**.

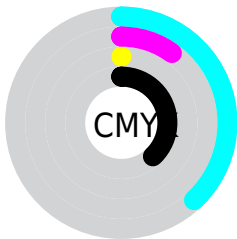
Distribution



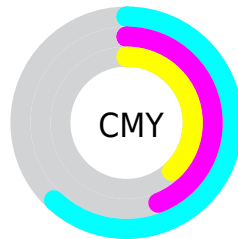
- Red (38%)
- Green (56%)
- Blue (62%)



- Red (38%)
- Yellow (48%)
- Blue (62%)



- Cyan (38%)
- Magenta (10%)
- Yellow (0%)
- Black (38%)



- Cyan (62%)
- Magenta (44%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.3770, 0.2578, 0.3021 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 24.3770, 0.2578, 0.3021 by changing the saturation by 10% instead.

■ 24.3770, 0.2578,
0.3021

■ 24.3770, 0.2578,
0.3021

274.7210, 0.2877,
0.3174

■ 15.6135, 0.2495,
0.2975

■ 50.6447, 0.2693,
0.3082

■ 9.2511, 0.2382,
0.2912

■ 68.9177, 0.2734,
0.3103

■ 4.9053, 0.2222,
0.2817

■ 91.1294, 0.2768,
0.3120

■ 2.1918, 0.1978,
0.2662

■ 117.6641, 0.2797,
0.3135

■ 0.7155, 0.1379,
0.2400

148.9062, 0.2821,
0.3147

■ 0.0000, 0.0000,
0.0000

185.2401, 0.2842,

0.3157

227.0502, 0.2861,
0.3166

■ 24.3770, 0.2578,
0.3021

■ 24.3770, 0.2578,
0.3021

■ 22.4181, 0.2447,
0.2936

■ 26.5520, 0.2718,
0.3101

■ 20.6619, 0.2329,
0.2847

■ 28.9498, 0.2864,
0.3175

■ 19.0977, 0.2226,
0.2756

■ 31.5805, 0.3014,
0.3243

■ 17.7127, 0.2141,
0.2662

■ 34.4525, 0.3164,
0.3305

■ 16.4918, 0.2075,
0.2569

■ 37.5738, 0.3313,
0.3360

■ 15.4100, 0.2026,
0.2476

■ 40.9519, 0.3458,
0.3410

■ 15.1542, 0.2015,
0.2453

■ 44.5941, 0.3599,
0.3454

■ 48.5073, 0.3734,
0.3492

■ 52.6982, 0.3863,
0.3526

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



24.3770, 0.2662, 0.3277



24.3770, 0.2578, 0.3021



24.3770, 0.2632, 0.2855

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



24.3770, 0.2578, 0.3021



24.3770, 0.3379, 0.3045



24.3770, 0.3433, 0.3810

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



24.3770, 0.2578, 0.3021



19.8850, 0.3922, 0.3540

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.3770, 0.3641, 0.3716



24.3770, 0.2578, 0.3021



24.3770, 0.3612, 0.3274

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



24.3770, 0.2578, 0.3021



24.3770, 0.3084, 0.2878



24.3770, 0.3709, 0.3517



24.3770, 0.3149, 0.3753

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



24.3770, 0.2578, 0.3021



24.3770, 0.2740, 0.2810



24.3770, 0.3709, 0.3517



24.3770, 0.3514, 0.3794

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



24.3780, 0.2578, 0.3021



54.7673, 0.2959, 0.3219



27.9070, 0.2957, 0.4111



11.9221, 0.2940, 0.3210



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.3780, 0.2578, 0.3021



40.7020, 0.2468, 0.2951



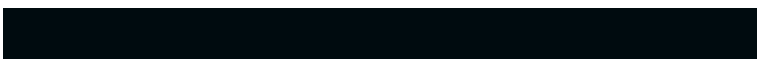
16.8032, 0.2500, 0.2469



7.2230, 0.2988, 0.3232



12.3671, 0.2017, 0.2460



0.2840, 0.2119, 0.2830

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



17.8713, 0.3364, 0.2596



27.7896, 0.3434, 0.2446



27.4815, 0.3753, 0.3993



6.7257, 0.3174, 0.3125



6.8707, 0.3962, 0.1956



0.1292, 0.3607, 0.1761

Previews

White Background



This preview shows how the Yxy color 24.3770, 0.2578, 0.3021 looks on a white background.

Color Contrast Check

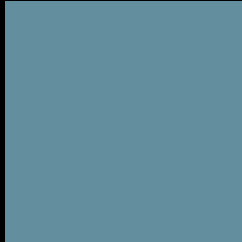
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 24.3770, 0.2578, 0.3021 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

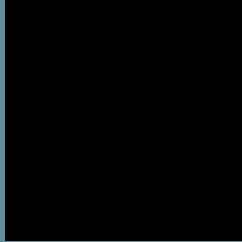
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.3770, 0.2578, 0.3021

Background



This preview shows how black text looks on a background with the Yxy color 24.3770, 0.2578, 0.3021.



This preview shows how white text looks on a background with the Yxy color 24.3770, 0.2578, 0.3021.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

24.3770, 0.2578, 0.3021

Protanopia

24.2227, 0.2925, 0.2988

Deuteranopia

24.2400, 0.2899, 0.2849



Tritanopia

24.2205, 0.2592, 0.3073

Trichromacy



Original Color

24.3770, 0.2578, 0.3021

Protanomaly

24.2175, 0.2788, 0.2997

Deuteranomaly

24.2145, 0.2770, 0.2917

Tritanomaly

24.2539, 0.2585, 0.3055

Monochromacy



Original Color

24.3770, 0.2578, 0.3021

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.1433, 0.2905, 0.3200

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3770, 0.2578, 0.3021 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(98, 142, 157)` looks like.

```
.text, #text, p{  
  color:rgb(98, 142, 157)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(98, 142, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 142, 157) }
```

Border

The CSS property to change the border of an element to Yxy 24.3770, 0.2578, 0.3021 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 142, 157) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(98, 142, 157) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(98, 142, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 142, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 142, 157);  
box-shadow:4px 4px 4px 4px rgb(98, 142,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3770, 0.2578, 0.3021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 142, 157) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(98, 142,  
157) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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